



FTIR900 PRINTER

FOR USE WITH THE FIREYE®
FT900 and FT900N

DESCRIPTION

The FTIR900 Printer allows the user to obtain a hard copy of the information stored the FT900 and FT900N Analyzers by utilizing the Infrared Communication Facility on the instrument.

For further information please refer to bulletin FT-9000 or FTP-9001.

SET-UP

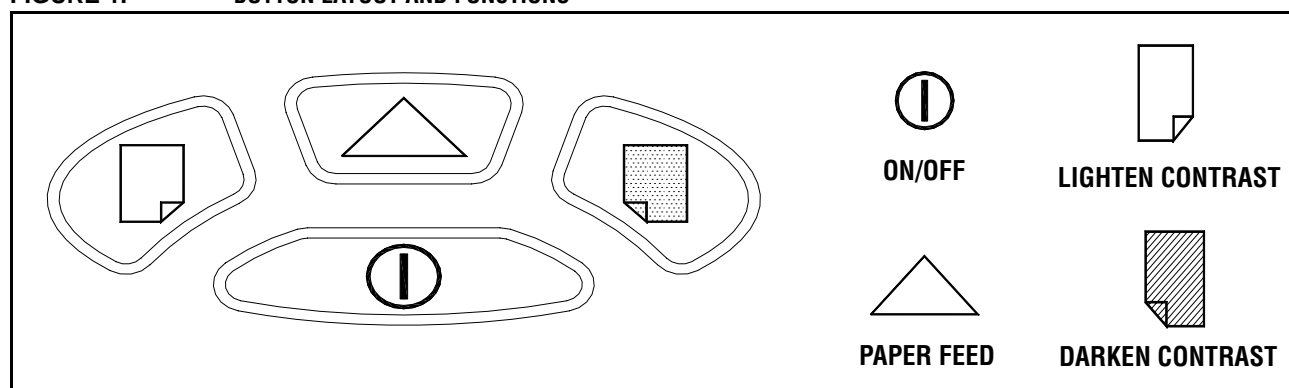
The printer is powered by 4 AA size alkaline batteries which will provide approximately 6000 print lines before replacement is required. These should be fitted into the battery compartment on the rear of the printer, please note the individual battery orientation.

The FTIR900 Printer uses thermal paper and care should be taken when fitting new paper, the shiny side of the paper must face the print head. The paper should be placed into the slot within the paper holder while holding down the feed button until the paper feed to the front of the printer. Make sure that the paper has an even edge and is not folded before attempting to load the printer.

Note: Do not try and pull the paper through manually as this could cause damage to the print head. Use the paper feed button. If the paper does jam, carefully ease the edge of the paper back into the paper roll holder and reload as described above.

OPERATING THE PRINTER

FIGURE 1. BUTTON LAYOUT AND FUNCTIONS



Switch the printer on by pressing the ON button as shown above.

Note: The printer will automatically switch off after 10 minutes of inactivity. To reactivate simply press the power on button. The printer will also switch off automatically during printing if the battery voltage drops too low, if this happens replace the set of batteries.



POSITIONING THE PRINTER AND INSTRUMENT

Ensure that there are no obstructions between the instrument emitter (at the top of the unit) and the Printer Receiver (on the bottom of the printer below the keypad).

Angle 0°	Distance =4.5m
Angle 45°	Undefined (Horizontal)
Angle 90°	Undefined (Vertical)

ADDITIONAL INFORMATION

SELF TEST AND BATTERY CONDITION REFERENCE

If you are not certain that the printer is operating correctly, run the self-test as follows:

Turn the printer off, hold down the paper feed button while switching the instrument back on, the unit will now perform a self-test. If the printer fails the initial self-test, then turn the printer off and run the self-test for a second time. If the printer fails again (after checking that there is sufficient battery power) it requires service.

The battery condition reference is a number from 0 to 5 that gives an indication of how much usable battery life is remaining (5 being the highest figure). Regardless of the battery condition reference, new batteries should be installed when any of the following symptoms are present:

- The print contrast remains too low, even when the control is set to highest contrast
- Print speed slows due to the print head moving too slowly across the paper
- Printing stops before all information on a line has been completed
- The battery condition reference (shown at the end of the self-test) is 1 or 0

Remove the batteries from the printer if you are not planning to use the unit for a long period of time.

The [] character is printed if information is lost because the printer cannot print fast enough to keep up with incoming data. In order to prolong battery life please note that it is suggested that you set the print contrast to the lightest readable setting and ensure that the printer is turned off once you have finished printing.

OPTIONAL AC ADAPTOR

In order to prolong the battery life the printer will also operate with an optional AC Adaptor.

CONTROLLING THE PRINT HEAD

If you turn the printer off while printing, the print head may stop in the middle of the line. To return the print head to the left side of the paper, turn the printer on, then off.

MISSING OR DEFORMED CHARACTERS

The [] character will show on the print out if the printer has detected incorrect data due to interference with, or interruption to, the stream of incoming information. Common causes for this error include incorrect positioning of printer with reference to the instrument (this can either be due to the distance or the angle of operation), obstruction of the infrared signal or even interference from another infrared emitting source.

ENVIRONMENTAL LIMITS

Operating temperature: 0°C to 50°C 132°F to 122°F
Storage temperature: -40°C to 60°C / -40°F to 140°F
Humidity: 5% to 95% relative at 40°C / 104°F



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